# KODAK EKTAPRO 7010/7020/9010/9020 Slide Projector

**SUPPLEMENT TO THE MANUAL**

## Function Codes

This label is designed to be fixed on the rear of your IR Remote System (transmitter).

| Function | | | Code |
|---|---|---|---|
| • Dissolve times (0.1 - 9.9 s) CUT | | | 801 - 899 800 |
| | Random Access | | 0-160 |
| | | Fade: MASTER SLAVE | 770 707 |
| | | Alternate | 777 |
| | | Freeze | 789 |
| • Independent Projector Control Mode | | | 980 |
| | • Parallel projection Focus Slave[*] | | 970 666[*] |
| • Reactivating dissolve mode | | | 990 |
| • Remote Security Mode | | | 989 |
| | Reset | | 999 |
| | Autotimer (1-60 s) ----- off | | 601 - 660 600 |

[*] Function is inactivated for models 7010 and 9010!

## Presentations with KODAK EKTAPRO 7010, 7020, 9010 and 9020 Slide Projectors

*One of the important new features of the KODAK EKTAPRO 7010, 7020, 9010 and 9020 Slide Projectors is the integrated dissolver for a 2-projector dissolve.*
*You just have to link two projectors using the KODAK Dissolve Cable (accessory) and you can immediately run more interesting and lively live presentations using the infrared remote control. It is also possible to play automatic slide shows with a fixed dissolve time. <u>However, it is not possible to record the IR-commands</u>.*

### Projection with a single projector (Soft Slide Change)

If you are just presenting with a single EKTAPRO 7010, 7020, 9010 or 9020, you can fade your slides out and back in again (e.g. by setting a dissolve time to smoothly change the slides). This means the hard light change is avoided during slide transport.

The commands and notes which relate to the control of an individual projector are marked with an *.

### Projection with two projectors
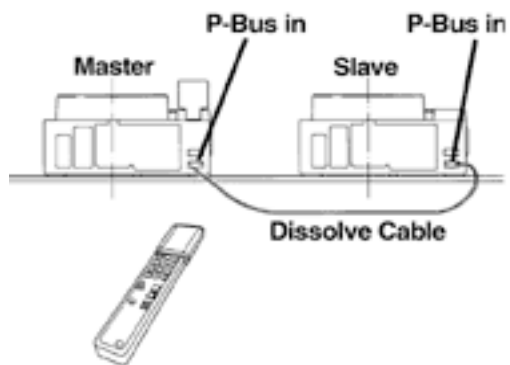### Choosing projectors (MASTER/SLAVE)

All commands for dissolving etc. are only transmitted to one projector. This projector is called the **MASTER**. It passes the commands on to the second projector which is known as the **SLAVE**.

- You can use either the KODAK EKTAPRO 7010, 7020, 9010 or 9020 projector **as a MASTER**

- However, you can use all EKTAPRO models with a P-Bus-in interface **as a SLAVE**!

**Note:** *The use of all functions is only possible via EKTAPRO IR-Remote Control! With the KODAK EKTAPRO Cable Remote only dissolves in the default setting (0.5 sec) can be carried out.*

### Setting up

Putting your 2 projector dissolve system together is fast and easy. Connect the two projectors via the P-bus-in interface to the KODAK Dissolve Cable (accessory) as shown in the illustration! Connect your remote control to the MASTER projector! Switch the projectors on. Your 2 projector dissolve system is now ready to use.



**Comments**
- *Even when the two projectors are linked with the dissolve cable, they behave like individual projectors and can also be operated individually as usual via the keypad.*

- *If your SLAVE projector has a built-in timer, it must be switched off!*

- *If you want to use only one projector in single mode, simply switch off the SLAVE and use the MASTER!*

### Aligning the projectors

It is important to align the two slide projectors before beginning a presentation such that both projected images cover the same area. This is easiest using so-called aligning slides which your AV dealer will certainly carry in stock (it is useful to load the aligning slide in the tray compartment 80):

- Place the slide trays onto the projectors.

- Press the slide reverse transport button on both projectors.

- Focus both slides using the focus buttons on your projectors.

- Now align the projectors to project both slides on the same area.

- Now return both slide trays to their initial position (zero position).

You can now begin your presentation using the remote control.

**Comment (EKTAPRO 7010, 7020, 9010 or 9020)**
*If it is necessary to carry out any additional adjustment during the presentation push both transport buttons on the "dark" projector for longer than one second. The "dark" projector is now faded in too. Switch-off the lamp again by pressing <u>standby</u>.*

### Sorting slides into the slide trays

Once you have decided on the order of your slides, number them through. Then sort all the slides with uneven numbers in sequence into the slide tray for the MASTER projector. The slides with even numbers are sorted in order into the slide tray for the SLAVE projector (see the table page 34).

# COMMANDS AND EFFECTS

## Overview

The following table gives and overview of all commands and effects. All commands with * can also be used for projection with a single EKTAPRO 7010, 7020, 9010 or 9020 Projector!

| Function | Code |
|---|---|
| * Setting dissolve times (Soft Slide Change in single projection) | 801 - 899 |
| * Random Access | 0 - 160 |
| Fade (MASTER) | 770 |
| Fade (SLAVE) | 707 |
| Alternate (Crossfading without slide change) | 777 |
| * Freeze | 789 |
| Independent Projector Control Mode | 980 |
| Parallel Projection Mode Activate Focus for SLAVE° | 970 666° |
| Reactivating of the dissolve mode | 990 |
| * Remote Security Mode | 989 |
| * Rest | 999 |
| * Auto-Timer | 600 - 660 |

° *Function is inactivated for models 7010 and 9010!*

**Tip**
- The last code input via the numerical keypad of the IR remote control remains stored. If the command has to be reinput, it is only necessary to press the <*> key.
- If you input an incorrect figure on the numerical keypad of the IR remote control, press clear <C> before reinputting your figure.

## ☞ DISSOLVE

### Basic setting

After switching on you can immediately begin a dissolve presentation. Dissolving takes place with a default time of 0.5 seconds. As soon as you press the transport forwards button of the remote control both slide trays go to position 1 and the MASTER projector fades the no. 1 slide up at the specified time. If you push the button again the first dissolve happens: slide no. 1 is faded down in the specified time and at the same time slide 2 is automatically faded up. Then the slide tray of the MASTER projector is automatically transported one position further and the projector is ready for the next dissolve. The dissolve process also functions in the same way when you push the transport backwards button.

**Notes:**
*You can interrupt a presentation if the dissolve time is greater than one second. If a dissolve has already started, it can be interrupted by pressing the forward button again at lest 1 sec into the dissolve. The presentation will move on to the next slide. Continuously pressing the forward button will interrupt each dissolve after one second and move on to the next.*

### Dissolve times with IR remote control

You can input dissolve times of **0** seconds (so-called hard cut) up to a long dissolve of **9.9 seconds** in increments of a tenth of a second. The numerical combinations of **800 ...899** on your remote control are reserved for this. Please ensure that you press the ENTER button <*> after inputting the relevant combination. Only then is the command received by the projector and the time stored. As soon as you press the transport button on your remote control, the first dissolve takes place.

**Examples:**
If you want a dissolve time of
**1 s :**➜ Input <810> and confirm with <*>.
**5.5 s :**➜ Input <855> and confirm with <*>.
**0 s (Hard Cut) :**➜ Input <800> and confirm with <*>.

**Important**
*The dissolve time you have input is retained until you overwrite it with a new time (via the IR remote control). After a reset (switching off and back on again) the time you have input with the IR remote control is deleted (see Basic setting).*

## ☞ SELECTING SLIDES

As in the case of individual projection, you can transport backwards and forwards at will, or select slides directly (random access). The slide sequence is always retained and the projector which is currently "dark" is automatically carried to the next slide in your presentation.

## *Random Access

You select slides in 2 projector dissolve according to the slide number of your <u>presentation</u> and not according to the slide tray number (see the table on page 34)!

Of course, if the slide you are looking for is in the slide tray of the projector which is currently projecting a slide, a dissolve is not possible. The slide will first be faded down and the new slide faded up. In this case, the screen will stay blank during the transport period.

However, if the slide you are looking for is in the slide tray of the projector which is currently "dark", it will dissolve with the slide you are currently projecting.

### Zero compartment

If there is a slide in the zero compartment of the slide tray, this can be selected by entering the following:
**161** for the MASTER projector;
**0** for the SLAVE projector.

**Note: it is not possible to dissolve from 0 to 161 or vice versa.**

**Note:** (**EKTAPRO 7010 and 9010**)
*If the slide tray (SLAVE) is transported on after a random access by pressing the transport buttons on the projector once or more, the previously selected slide cannot be accessed with a repeated random access command. (Example: on slide 36 with RA, transport forwards to slide 38, then back to slide 36 with RA cannot be done.)*

## Further control facilities

With the commands "**Fade MASTER**", "**Fade SLAVE**" and "**Alternate**" you can carry out dissolves without a slide transport afterwards. When a dissolve command follows this will be carried out via forward transport key on the next slide and with the backward transport key on the previous slide. Therefore it is guaranteed, that the synchronicity will also be maintained by individual lamp status. The fade in and out time will be that of the dissolve time last set.

With these commands you also can change the lamp status of the projectors when operated in the parallel mode (code 970) or in the individual control mode (code 980), whereby the new lamp status will be kept by further transport or soft slide changes. This opens up interesting possibilities for your presentation.

### ☞ FADE MASTER (770)

The MASTER projector's lamp can be faded in or faded out according to status. By re-pressing the button the command will be reversed.
**Press <770> and <*> on your remote control.**
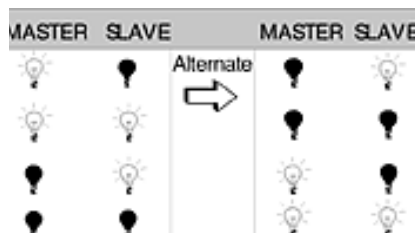
### ☞ FADE SLAVE (707)

The SLAVE projector's lamp can be faded in or faded out according to status. By repressing the button the command will be reversed.
**Press <707> <*> on your remote control.**

### ☞ *ALTERNATE (Dissolve without transport) (777)

With the Alternate command the existing lamp status can be changed (see chart).
**Press <777> and <*> on your remote control.**



### ☞ *FREEZE (789)

With the Freeze command a soft dissolve can be stopped at any time (resp. fade in and fade out by single projection) and in any position. The dissolve can be continued by pressing the forward transport key. With the backwards transport key you can fade back accordingly.
**Press <789> and <*> on your remote control.**

**Note:** *Mode switch-overs cannot be done in FREEZE. FREEZE can only be released by pressing the standby button or the transport buttons. If you release FREEZE by pressing the standby button, giving the standby command again will not return to FREEZE but will continue the dissolve.*

With Soft Slide Change the lamp lights up when FREEZE is ended by pressing the transport forwards button, and goes dark if the transport backwards button is pressed. No slide transport is carried out.

<u>Special feature:</u> You can use the transport buttons during the dissolve procedure to change the direction of dissolve more than once. Once the dissolve procedure has finished, however, the slide is not transported. This only happens the next time you press the transport button. Pressing it again continues your presentation as normal.

## Further presentation features

### ☞ INDIVIDUAL SLIDE TRANSPORT OF THE TWO PROJECTORS WITH REMOTE CONTROL (980)

With the number combination <980> and <*> you can control the transport of the two projectors individually with the remote control.

If this code is transmitted, the dissolve mode is cancelled and the lamps of both projectors remain on. Soft slide change cannot be carried out in this mode.
**Press <980> and <*> on your remote control.**

Transport control on the MASTER:
The slide transport runs, as usual, via the two transport buttons.
Transport control on the SLAVE:
The slide transport is via the two **focus buttons**.
It is therefore not possible to focus the two projectors with this setting!
Access to individual slides (RA control) is still possible (see *Random Access*).

### ☞ PARELLEL PROJECTION (970)
You can also program parallel projections via your remote control.
P**ress <970> and <\*>.**
Both projectors will then move to the same slide tray setting and both lamps are switched on.

### Focussing:
MASTER: With the focus buttons.
SLAVE: First press <666> and <\*>, then use focus buttons (not possible with models 7010 and 9010!).
With a next slide transport this command is inactive again.
The slides are numbered from 1 - 80 (or 1 - 140 on a 140 slide tray) in this parallel mode and can be selected as such. If, for example, no. 13 is selected, both projectors will go into search mode and project the slides in the slide tray slot no. 13.

### ☞ BACK INTO DISSOLVE MODE (990)
By inputting this combination of numbers and the <\*> you can go back to a basic setting for the two projector dissolve. The dissolve time previously set is retained.
**Press <990> and <\*> on your remote control.**

### ☞ \*SECURITY SETTING FOR PRESENTATIONS USING IR REMOTE CONTROL (989)
If all the preparations for a presentation have been made, it is important for a presentation to run "smoothly". In spite of the best preparation "small hitches" can occur if the presenter presses the wrong button on the remote control by accident.

With the security setting you can set up your remote control so that when the transport button is pressed, only one transport step or only one dissolve is executed. The focus buttons are also disabled so that if you happen to press the buttons, the focus on the projector is not changed. All other functions remain active (and can be secured by the cover on the remote control). Even novice presenters can now "not put a foot wrong"!
This is how to put your remote control into the security position:
**Press (989) and <\*>.**
The following functions are changed:
- Transport forwards:
  Regardless of how long you press a button, the projector only carries out a single transport step or the next dissolve. In case the parallel mode is activated the slides will only be projected if the button is released.
- Transport backwards:
  Hold down the button for at least two seconds. The projector carries out a single step backwards and the slide will be projected in the moment the button is released.
- Focus:
  Inactive

### Note:
- *Of course the security position can also be used to control projection with a single projector.*
- *For the individual projector control (980) this command cannot be applied.*

### To cancel the security setting:
The presentation mode can only be cancelled by a reset command or by switching the projectors off and on again [see *RESET (999)*].
**Press (999) and <\*>.**

### ☞ \*RESET (999)
When you input this command, the two projectors are automatically reset to their zero position. Reset is the same as switching the projectors off and back on again (see also *Basic setting*).
**Press <999> and <\*> on your remote control.**

### ☞ \*AUTOTIMER (600...660)
A Timer function can also be set via the IR remote control. This is particularly relevant for the EKTAPRO 7010/7020 as this does not have a built-in timer. Any time from **1 to 6 seconds** can be set (in steps of one second). If you transmit such a command to the MASTER projector, the first transport command or the first dissolve is carried out immediately. This is a check for you that the projector is now in autotimer mode.

### Example
You want a dissolve to take place every 22 seconds:
➡ **Press <622> and <\*> on your remote control.**
The slide tray goes to position 1 and the first picture with the dissolve time is faded up. The first dissolve occurs after 22 seconds.

### Important
*Whilst the MASTER projector is carrying out a slide transport, no commands should be sent with the IR remote control. This can lead to the command not being recognized, especially in the case of very short autotimer times. In this case the projector should be switched off- and on again.*

### Switching the autotimer off
You can turn the autotimer off again at any time:
**Press <600> and <\*> on your remote control.**

## Slide Sorter Aid

| Slide No. | Position in MASTER tray | Position in SLAVE tray | Slide No. | Position in MASTER tray | Position in SLAVE tray | Slide No. | Position in MASTER tray | Position in SLAVE tray | Slide No. | Position in MASTER tray | Position in SLAVE tray |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | | 41 | 21 | | 82 | | 41 | 123 | 62 | |
| 1 | 1 | | 42 | | 21 | 83 | 42 | | 124 | | 62 |
| 2 | | 1 | 43 | 22 | | 84 | | 42 | 125 | 63 | |
| 3 | 2 | | 44 | | 22 | 85 | 43 | | 126 | | 63 |
| 4 | | 2 | 45 | 23 | | 86 | | 43 | 127 | 64 | |
| 5 | 3 | | 46 | | 23 | 87 | 44 | | 128 | | 64 |
| 6 | | 3 | 47 | 24 | | 88 | | 44 | 129 | 65 | |
| 7 | 4 | | 48 | | 24 | 89 | 45 | | 130 | | 65 |
| 8 | | 4 | 49 | 25 | | 90 | | 45 | 131 | 66 | |
| 9 | 5 | | 50 | | 25 | 91 | 46 | | 132 | | 66 |
| 10 | | 5 | 51 | 26 | | 92 | | 46 | 133 | 67 | |
| 11 | 6 | | 52 | | 26 | 93 | 47 | | 134 | | 67 |
| 12 | | 6 | 53 | 27 | | 94 | | 47 | 135 | 68 | |
| 13 | 7 | | 54 | | 27 | 95 | 48 | | 136 | | 68 |
| 14 | | 7 | 55 | 28 | | 96 | | 48 | 137 | 69 | |
| 15 | 8 | | 56 | | 28 | 97 | 49 | | 138 | | 69 |
| 16 | | 8 | 57 | 29 | | 98 | | 49 | 139 | 70 | |
| 17 | 9 | | 58 | | 29 | 99 | 50 | | 140 | | 70 |
| 18 | | 9 | 59 | 30 | | 100 | | 50 | 141 | 71 | |
| 19 | 10 | | 60 | | 30 | 101 | 51 | | 142 | | 71 |
| 20 | | 10 | 61 | 31 | | 102 | | 51 | 143 | 72 | |
| 21 | 11 | | 62 | | 31 | 103 | 52 | | 144 | | 72 |
| 22 | | 11 | 63 | 32 | | 104 | | 52 | 145 | 73 | |
| 23 | 12 | | 64 | | 32 | 105 | 53 | | 146 | | 73 |
| 24 | | 12 | 65 | 33 | | 106 | | 53 | 147 | 74 | |
| 25 | 13 | | 66 | | 33 | 107 | 54 | | 148 | | 74 |
| 26 | | 13 | 67 | 34 | | 108 | | 54 | 149 | 75 | |
| 27 | 14 | | 68 | | 34 | 109 | 55 | | 150 | | 75 |
| 28 | | 14 | 69 | 35 | | 110 | | 55 | 151 | 76 | |
| 29 | 15 | | 70 | | 35 | 111 | 56 | | 152 | | 76 |
| 30 | | 15 | 71 | 36 | | 112 | | 56 | 153 | 77 | |
| 31 | 16 | | 72 | | 36 | 113 | 57 | | 154 | | 77 |
| 32 | | 16 | 73 | 37 | | 114 | | 57 | 155 | 78 | |
| 33 | 17 | | 74 | | 37 | 115 | 58 | | 156 | | 78 |
| 34 | | 17 | 75 | 38 | | 116 | | 58 | 157 | 79 | |
| 35 | 18 | | 76 | | 38 | 117 | 59 | | 158 | | 79 |
| 36 | | 18 | 77 | 39 | | 118 | | 59 | 159 | 80 | |
| 37 | 19 | | 78 | | 39 | 119 | 60 | | 160 | | 80 |
| 38 | | 19 | 79 | 40 | | 120 | | 60 | 161 | | 0 |
| 39 | 20 | | 80 | | 40 | 121 | 61 | | | | |
| 40 | | 20 | 81 | 41 | | 122 | | 61 | | | |